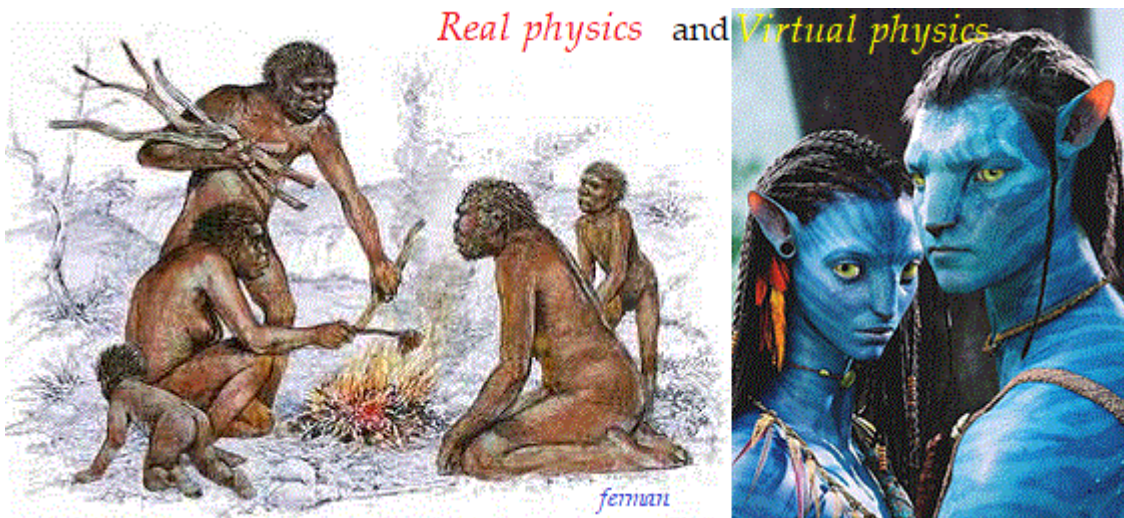


Real physics versus Virtual physics

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To understand it better, I put two very easy definitions.

"Real physics is the one that the Cosmos builds structures and manages.

For that the Cosmos uses its basic elements (space, time, energy, etc.) join and directed by its multiple basics physics laws.

That is, all is natural and existent, and not dependent of us the humans."

"Virtual physics is eminently human, created and designed by humans without being subject to any of the physical laws of the Cosmos.

That is, when we act with elements and laws that do not exist in the Cosmos".

So, virtual physics exists in our minds, but not in the real world.

Real physics

To study the real physics we must to use the observation mainly, in such a way that what is not observed nor proven is not given as secure, neither as true science.

This type of physics is hard to discovery due to it is necessary many observations, proofs, etc.

Virtual physics

The virtual physics seems to be an "appetizing fruit" because in this field we not need of the necessary rigor and here we can invent any type of structuring because we choice the physical elements that we want, and later we also put the structural laws that we also invent.

The unique difficult here is that we need apply these laws very far from us where people can't reach personally, because in this case people would see clearly that all this is false.

That is, we can make virtual physics at the speed of light, in the microcosm, in the large macrocosm etc., but not in our level of dimension, of space, time.

For example, Einstein said that space and time change at the speed of light, when any analysis seems to tell us otherwise.

Say, space and time are real physical elements, while speed of light is a ratio between them.

This case, we shouldn't say that if we divide candies among children, the ratio can change candies or children, in such a way that when the ratio increases then children and candies go being each time smaller.

But when we can't travel at speed of light, this theory can be accepted; of course, as virtual theory.

The same occur with virtual particles that can be in two places at the same time.

If this were certain then each particles will have mass, matter, charge, momentum, etc., that is, really these should be two particles, but not one.

In the same way, the laws of the quantum mechanics that we say they govern the microcosm are composed of multiples laws, elements, parameters, etc., all they invented by us, to explain the mysteries that the microcosm has.

Certainly we must to recognize that the quantum mechanics is authentically seductive and satisfying for any scientist because the QM gives solution to anything, although this solution would be virtual or imaginary and not real nor correct.

The reason is simple; when we invent all the laws and elements we can invent and emit any new element or law that explains mentally the needed explanation.

For example,

If we treat the Potential barriers, and the pass of particles appear through this barrier, then we invent quantum tunnel, the potential wells, etc., those which allows the pass of particles.

If we see that particles have different behaviour, then we invent the spins, the azimuthal quantum number, the magnetic quantum number, etc.

If it is necessary we explain this event saying that a particle passes the barrier is due to the collapse of waves, etc.

So, with our laws, elements and concepts we can explain anything: For a new question we invent a new element, concept or law; inclusive a new formula to feel us more satisfy and secure.

If any person doesn't understand these laws, concepts, etc., then the response is also very intelligent: "The QM is so magnificent and wonderful that exceeds and goes beyond the human intelligence".

The unique problem here is that it is necessary of eliminating all the knowledge till now obtained, expressing the hard and incontestable phrase of: "No, at atomic level the classical physics doesn't work, but the laws of Quantum Mechanics". That is, our human laws.

Perhaps after all it could be wonderful dominate the world of the physics with our mind, even if we fool ourselves.